

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

91 1. (Original) A manufacturing method of a liquid crystal display having a liquid crystal panel with a liquid crystal sealed in liquid crystal sealing-in areas disposed between a pair of substrates comprising the steps of:

a liquid crystal injection step of injecting a liquid crystal from a liquid crystal injection port into said liquid crystal sealing-in areas;

an end-sealing material applying step of applying an uncured end-sealing material to said liquid crystal injection port after injecting the liquid crystal;

an end-sealing material removing step of removing at least a part of said end-sealing material bleeding outside a contour of said liquid crystal panel; and

an end-sealing material curing step of curing said end-sealing material after said end-sealing material removing step.

2. (Original) A manufacturing method of a liquid crystal display according to Claim 1, wherein said end-sealing material removing step includes a step of absorbing said end-sealing material by bringing an absorbent material into contact with said end-sealing material, and absorbing said end-sealing material by said absorbent material.

3. (Original) A manufacturing method of a liquid crystal display according to Claim 1, wherein said end-sealing material removing step includes a step of sucking said end-sealing material by bringing a suction jig into contact with said end-sealing material, and sucking said end-sealing material into said suction jig.

4. (Original) A manufacturing method of a liquid crystal display according to Claim 3, wherein said end-sealing material removing step further includes a step of troweling off said end-sealing material along an end face of said liquid crystal panel where said liquid crystal injection port is arranged by a troweling jig after sucking said end-sealing material by said suction jig.

5. (Original) A manufacturing method of a liquid crystal display according to Claim 1, further comprising:

a step of increasing a pressure inside said liquid crystal sealing-in areas of said liquid crystal panel before said liquid crystal injecting step; and

a step of evacuating said liquid crystal sealing-in areas after said end-sealing material applying step and before said end-sealing material removing step.

6. (Original) A manufacturing method of a liquid crystal display having a liquid crystal panel with a liquid crystal sealed in liquid crystal sealing-in areas disposed between a pair of substrates comprising the steps of:

a liquid crystal injecting step of injecting a liquid crystal from a liquid crystal injection port into said liquid crystal sealing-in areas;

an end-sealing material applying step of applying an uncured end-sealing material to said liquid crystal injection port after injecting the liquid crystal;

a wiping step of wiping at least a part of said end-sealing material bleeding outside the contour of said liquid crystal panel by a wiping jig; and

an end-sealing material curing step of curing said end-sealing material after said wiping step.

7. (Original) A manufacturing method of a liquid crystal display according to Claim 6, further comprising:

a step of increasing a pressure inside said liquid crystal sealing-in areas of said liquid crystal panel before said liquid crystal injection step; and

a step of evacuating said liquid crystal sealing-in areas after said end-sealing material applying step and before said end-sealing material wiping step.

8. (Original) A manufacturing method of a liquid crystal display having a liquid crystal panel with a liquid crystal sealed in liquid crystal sealing-in areas disposed between a pair of substrates comprising the steps of:

a liquid crystal injecting step of injecting the liquid crystal from a liquid crystal injection port into said liquid crystal sealing-in areas;

an end-sealing material applying step of applying an uncured end-sealing material to said liquid crystal injection port after injecting the liquid crystal;

a troweling step of troweling off the end-sealing material bleeding outside a contour of said liquid crystal panel along an end face of said liquid crystal panel where said liquid crystal injection port is arranged by a troweling jig; and

an end-sealing material curing step of curing said end-sealing material after said troweling step.

9. (Original) A manufacturing method of a liquid crystal display according to Claim 8, further comprising:

a step of increasing a pressure inside said liquid crystal sealing-in areas of said liquid crystal panel before said liquid crystal injecting step; and

a step of evacuating said liquid crystal sealing-in areas after said end-sealing material applying step and before said end-sealing material troweling step.

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10. (Original) A manufacturing method of a liquid crystal display having a liquid crystal panel with a liquid crystal sealed in liquid crystal sealing-in areas disposed between a pair of substrates,

when said liquid crystal panel is manufactured by injecting the liquid crystal from a liquid crystal injection port into said liquid crystal sealing-in areas, applying an uncured end-sealing material to said liquid crystal injection port after injecting the liquid crystal, sucking at least a part of said end-sealing material bleeding outside a contour of said liquid crystal panel, and curing said end-sealing material.

11. (Original) A manufacturing method of a liquid crystal display having a liquid crystal panel with a liquid crystal sealed in liquid crystal sealing-in areas disposed between a pair of substrates,

wherein said liquid crystal panel is manufactured by injecting the liquid crystal from a liquid crystal injection port into said liquid crystal sealing-in areas, applying an uncured end-sealing material to said liquid crystal injection port after injecting the liquid crystal, wiping at least a part of said end-sealing material bleeding outside a contour of said liquid crystal panel by a wiping jig, and curing said end-sealing material.

12. (Original) A manufacturing method of a liquid crystal display having a liquid crystal panel with a liquid crystal sealed in liquid crystal sealing-in areas disposed between a pair of substrates;

wherein said liquid crystal panel is manufactured by injecting the liquid crystal from a liquid crystal injection port into said liquid crystal sealing-in areas, applying an uncured end-sealing material to said liquid crystal injection port after injecting the liquid crystal, troweling off said end-sealing material bleeding outside a contour of said liquid crystal panel along an end face of said liquid crystal panel where said liquid crystal injection port is arranged by a troweling jig, and curing said end-sealing material.

13. (v) (New) A manufacturing method of a liquid crystal display according to Claim (1) wherein said end-sealing material removing step includes a step of absorbing said end-sealing material by pressing an absorbent material against said end-sealing material and absorbing said end-sealing material with said absorbent material.

14. (New) A manufacturing method of a liquid crystal display according to Claim 10, wherein the sucking of at least a part of said end-sealing material bleeding outside a contour of said liquid crystal panel is done by bringing a suction jig into contact with said end-sealing material and sucking said end-sealing material into said suction jig. (7)

15. (1+2) (New) A manufacturing method of a liquid crystal display having a liquid crystal panel with a liquid crystal sealed in liquid crystal sealing in areas disposed between a pair of substrates,

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wherein said liquid crystal panel is manufactured by injecting the liquid crystal from a liquid crystal injection port into said liquid crystal sealing in areas, applying an uncured end-sealing material to said liquid crystal injection port after injecting the liquid crystal, absorbing at least a part of said end-sealing material bleeding outside a contour of said liquid crystal panel by pressing an absorbent material against said end-sealing material, absorbing said end-sealing material by said absorbent material, and curing said end-sealing material.

16. (New) A manufacturing method of a liquid crystal display according to Claim 1, wherein said liquid crystal injection port is opened in an end face of said liquid crystal panel.

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17. (New) A manufacturing method of a liquid crystal display according to Claim 10, wherein said liquid crystal injection port is opened in an end face of said liquid crystal panel.

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Cont 18. (New) A manufacturing method of a liquid crystal display according to Claim 15, wherein said liquid crystal injection port is opened in an end face of said liquid crystal panel.
